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OFFICE OF PETITIONS —

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants	: Timothy B. Cowles et al.	Attorney Docket No.:	500792.03
Serial No.	: 10/043,680	Group Art Unit	: 2824
Filed	: January 10, 2002	Examiner	: Van Thu T. Nguyen
Title	: REFRESH CONTROLLER AND ADDRESS REMAPPING CIRCUIT AND METHOD FOR DUAL MODE FULL/REDUCED DENSITY DRAMS		

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Petitions  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references, as required under 37 C.F.R. § 1.98, are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/122,943, describing and claiming subject matter that is similar to the subject matter of this application, was filed on April 11, 2002. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as published is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/405,069, describing and claiming subject matter that is similar to the subject matter of this application, was filed on March 31, 2003. This related application, as well

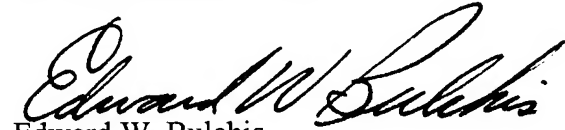
as any prior art cited therein, may be material to the examination of this application. A copy of this related application as published is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicants also wish to make known to the Patent and Trademark Office that an application, Serial No. 10/039,815, describing and claiming subject matter that is similar to the subject matter of this application, was filed on October 26, 2001. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as published is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Please acknowledge receipt of this Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP



Edward W. Bulchis

Registration No. 26,847

EWB:dms

Enclosures:

- Postcard
- Check
- Copy of Information Disclosure Statement
- Form PTO-1449
- Cited References (14)
- Copies of Application (3)

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VALID

Pat. No. 05800801 - 2

Issue Date: 07/14/03

Group ID: G

User ID: mtphili

Page 1

KS: 779

Warning [Pages Of Foreign References:]

page 1 has no references

page 2 has no references

page 3 has no references

Warning [Pages Of Other References:]

page 1 has no references

page 2 has no references

page 3 has no references

Warning [Inventor Names Versus Inventors:]

the inventors at position 1 do not match because the middle name(B.)  
from the oath does not have the same first letter as the middle  
name() from checklist

the inventors at position 2 do not match because the middle name(A.)  
from the oath does not have the same first letter as the middle  
name() from checklist

the inventors at position 3 do not match because the middle name(J.)  
from the oath does not have the same first letter as the middle  
name() from checklist



CHECK LIST

Rule 47      Continuing Data      PCT      Disclaimer

No      ADS      No      No

Microfiche Appendix      CPA tag

No      No

Foreign Priority Claimed: No

Acknowledged: No

Text Endorsement: 10043680.011002

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JACKET

<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
10/043,680	01/10/02	365	222	2824

FOREIGN PRIORITY

<u>Country</u>	<u>Document Number</u>	<u>Date</u>
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DISCLAIMER

/ /

TITLE

Refresh controller and address remapping circuit and method for dual  
mode full/reduced density DRAMs

MICROFICHE APPENDIX

ASSISTANT EXAMINER:

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>
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PRIMARY EXAMINER:

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>
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Vanthu		Nguyen
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CLAIMS ALLOWED

Total      Print

7      1

DRAWINGS

Sheets      Figures      Print

4      5      Y

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BLUE SLIP INFORMATION

<u>SERIAL</u>	<u>NUMBER</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
10/043,680	365	222	2824	

INDEP. CLAIMS

1,4,6

TOTAL CLAIMS

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BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class      SubClass

G11C      7/00

CROSS-REFERENCES

Class      SubClass

365      233;230.04

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TERM EXTENSION

0

FIELD OF SEARCH

Class      SubClass

365      222;149;230.04;230.06;233

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OATH

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First: Timothy Middle: B. Last: Cowles Sign d: Yes  
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INVENTOR NAME

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City: Meridian  
State: ID ZIP Code: Country: Foreign ZIP:

=====  
PCT INFO  
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CONTINUING DATA (Page 1)

<u>LINE</u>	<u>CODE</u>	<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>STATUS</u>	<u>DOCUMENT NO.</u>	<u>ISSUE DATE</u>
104	74	09/803,365	03/08/2001	01	6,449,203	09/10/02

=====

REFERENCES (Page 1) SERIAL NUMBER: 10/043,680  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Pat nt e</u>	<u>Class</u>	<u>SubClass</u>
5,781,483	07/1998	Shore	365	200

5,953,266	09/1999	Shore	365	200
5,966,334	10/1999	Shore	365	200
*6,023,432	02/2000	Shore	365	200
No issue date available.				
*6,044,029	03/2000	Shore	365	200
No issue date available.				

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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REFERENCES (Page 2) SERIAL NUMBER: 10/043,680  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
4,961,167	10/1990	Kumanoya et al.	365	189.09
5,475,645	12/1995	Wada	365	222

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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REFERENCES (Page 3) SERIAL NUMBER: 10/043,680  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
5,321,662	06/1994	Ogawa	365	222
5,828,619	10/1998	Hirano et al.	365	222
*6,104,641	08/2000	Itou	365	189.01
No issue date available.				
*6,134,167	10/2000	Atkinson	365	222
No issue date available.				

Pat. No. 05800801 - 2

Issue Date: 07/14/03

Group ID: G

User ID: mtphili

Page 5

\*6,246,619

06/2001 Ematrudo et al.

365

201

No issue date available.

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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